

Rabbit Histone H3T3ph Polyclonal Antibody | anti-H3T3ph antibody

Histone H3T3ph antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59842	Rabbit	Human, Wide Range Predicted	Western Blot, Immunofluorescence, Immunocytochemistry, Dot Blot

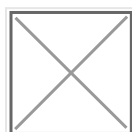
PRODUCT SYNONYMS

Histone H3T3ph; Polyclonal Antibody; Histone H3T3ph antibody (pAb); anti-H3T3ph antibody

PRODUCT SPECIFICATIONS

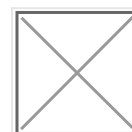
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Polyclonal
Isotype	Serum
Form/Format	Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-H3T3ph antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), DB (Dot Blot)
Immunogen	This Histone H3 phospho Thr3 antibody was raised against a peptide including phospho-threonine 3 of histone H3.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.

IMAGES



DB (Dot Blot)

Histone H3 phospho Thr3 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of Histone H3 phospho Thr3 pAb for phospho-Thr3 of histone H3. Decreasing amounts of peptides corresponding to regions around major sites of histone H3 threonine phosphorylation were spotted onto PVDF and probed with the antibody at a dilution of 1:2,000. Lane 1: Peptide phosphorylated at threonine 3. Lane 2: Unmodified threonine 3 peptide. Lane 3: Peptide phosphorylated at threonine 11. Lane 4: Unmodified threonine 11 peptide. Lane 5: Peptide phosphorylated at threonine 45. Lane 6: Unmodified threonine 45 peptide.



WB (Western Blot)

Histone H3 phospho Thr3 pAb tested by Western blot. Western blot probed with Histone H3 phospho Thr3 pAb (1:500 dilution). Lane 1: 20 ug acid extract of HeLa cells. Lane 2: 20 ug acid extract of HeLa cells treated with colcemid.

ADDITIONAL INFORMATION

Related Product Information for anti-H3T3ph antibody

Background: Histone H3 is one of the core components of the nucleosome. The nucleosome is the smallest subunit of chromatin and consists of 147 base pairs of DNA wrapped around an octamer of core histone proteins (two each of Histone H2A, Histone H2B, Histone H3 and Histone H4). Chromatin is subject to a variety of chemical modifications, including post-translational modifications of the histone proteins and the methylation of cytosine residues in the DNA. Reported histone modifications include acetylation, methylation, phosphorylation, ubiquitylation, glycosylation, ADP-ribosylation, carbonylation and SUMOylation; these modifications play a major role in regulating gene expression. In vivo, phosphorylation of histone H3 at threonine 3 begins at early prophase in the vicinity of the nuclear envelope, spreads to the pericentromeric chromatin during prometaphase and is fully reversed by late anaphase, during mitosis.

Product Categories/Family for anti-H3T3ph antibody

Primary Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight

17kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-h3t3ph-antibody-western-blot-immunofluorescence-immunocytochemistry-dot-blot-elisa/59842>